

What is claimed is:

1. A water-dispersible particulate composition having an overall melting point of 40°C or higher comprising a solid molecular dispersion comprised of:

5 about 0.01% to about 15% by weight of a sparingly water-soluble compound and about 85-99.99% by weight of a particulatable lipidic carrier,

wherein the particulatable lipidic carrier is comprised of:

about 5% to about 50% by weight of a lipid-based surfactant selected from the group consisting of a polyglycolized glyceride, a polyoxyethylene castor oil derivative, a 10 polyoxyethylene stearate having a melting point of from 40°C to 50°C, and a mixture thereof, and

about 50% to about 95% by weight of a stiffening agent having a melting point of from 50°C to 80°C and selected from the group consisting of glycerol monostearate, glycerol palmitostearate, hydrogenated vegetable oil, and a mixture thereof.

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2. A water-dispersible particulate composition of claim 1 comprising the molecular dispersion of the compound in the lipid-based carrier prepared by a process comprising the steps of:

melting a mixture comprised of a solid lipid-based surfactant having an 20 HLB value greater than or equal to 10 and a stiffening agent having a melting point of from 50°C to 80°C;

dissolving the compound in the melted surfactant and the stiffening agent mixture to form a homogeneous liquid composition of the compound, surfactant and mixed glycerides;

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and cooling the liquid composition.

3. A water-dispersible particulate composition according to claim 1, comprising the molecular dispersion of the compound in the lipid-based carriers prepared by a process comprising the steps of:

30 melting a solid lipid-based surfactant having an HLB value greater than or equal to 10;

melting a solid stiffening agent having a melting point of from 50°C to 80°C;

dissolving the compound in the melted surfactant;

mixing the stiffening agent with the dissolved compound-surfactant mixture to form a homogeneous liquid composition; and
cooling the liquid composition.

5 4. The composition according to any one of claims 1-3, wherein the compound is present in the solid composition in an amount of from about 1% to about 10%.

10 5. The composition according to any one of claims 1-3, wherein the compound is present in the solid composition in an amount of from about 2% to about 5%.

15 6. The composition according to any one of claims 1-5, wherein the lipid-based surfactant is present in the composition in an amount of from about 5% to about 50% by weight of the lipid-based composition.

20 7. The composition according to any one of claims 1-5, wherein the stiffening agent is present in the composition in an amount of from about 50% to about 95% by weight of the lipid-based composition.

25 8. The composition according to any one of claims 1-5, further comprising one or more formulation co-agents selected from the group consisting of a disintegrating agent, a flow agent, a solubilization enhancer and a pore-forming agent.

25 9. The composition according to claim 8, wherein the total weight of the one or more formulation co-agents in the solid composition is 0.01% to 5% by weight of the solid composition.

30 10. The composition according to claim 8, wherein the disintegrating agent is selected from the group consisting of crospovidone, sodium starch glycolate, croscarmellose sodium and a mixture thereof.

35 11. The composition according to claim 8, wherein the flow agent is selected from the group consisting of colloidal silicon dioxide, amorphous fumed silica, starch, synthetic amorphous fumed silica, precipitated silica, and fumed silica and a mixture thereof.

12. The composition according to claim 8, wherein the solubilization enhancer is selected from the group consisting of mid-weight polyethylene glycol having a molecular weight of from 2000 to 8000, and a mixture thereof.

5 13. The composition according to claim 8, wherein the pore-forming agent is selected from the group consisting of sucrose, sodium chloride, potassium chloride, dextrose and a mixture thereof..

10 14. A process for preparing the water-dispersible solid composition according to claim 1, comprising the steps of:

melting a mixture comprised of the solid lipid-based surfactant having an HLB value greater than or equal to 10 and the stiffening agent having a melting point of from 50°C to 80°C;

15 dissolving the compound in the melted surfactant and the stiffening agent mixture to form a homogeneous liquid composition of the compound, surfactant and mixed glycerides;

and cooling the liquid composition.

20 15. A process for preparing the water-dispersible solid composition according to claim 1, comprising the steps of:

melting the solid lipid-based surfactant having an HLB value greater than or equal to 10;

melting the solid stiffening agent having a melting point of from 50°C to 80°C;

25 dissolving the compound in the melted surfactant;

mixing the stiffening agent with the dissolved compound-surfactant mixture to form a homogeneous liquid composition; and

cooling the liquid composition.

30 16. A process according to claims 14 or 15, further comprising cooling the liquid composition using rotary disk processing.

35 17. A process according to claim 16, comprising cooling the liquid composition using rotary disk processing to produce microspheres with a median particle size in the range of 50μm-500μm.